



Cotton/Soybean Insect Newsletter

Volume 12, Issue #3

Edisto Research & Education Center in Blackville, SC

19 May 2017

Pest Patrol Alerts

The information contained herein each week is available via text alerts that direct users to online recordings. I will update the short message weekly for at least as long as the newsletter runs. After a new message is posted, a text message is sent to alert users that I have recorded a new update. Users can subscribe for text message alerts for my updates in two easy steps. Step one: register by texting **pestpat7** to 97063. Step two: reply to the confirmation text you receive by texting the letter "y" to complete your registration. Pest Patrol Alerts are sponsored by Syngenta.

Updates on Twitter

When noteworthy events happen in the field, I will be sending them out quickly via Twitter. If you want to follow those quick updates, follow me at @bugdocisin on Twitter.



News from Around the State

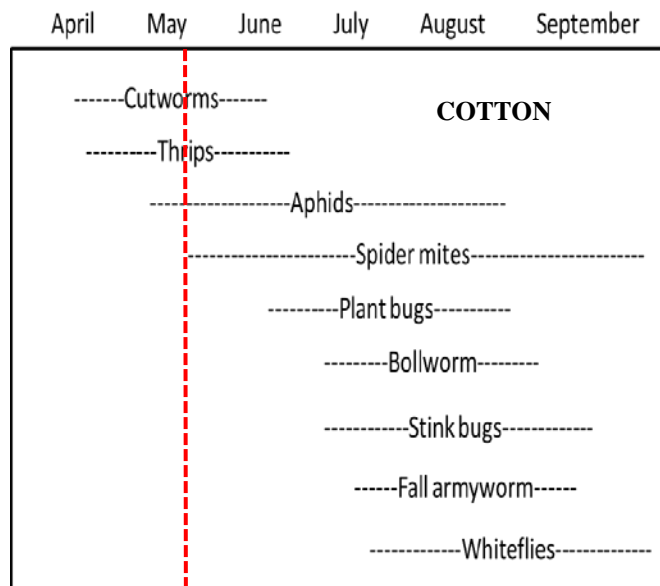
I have had a few more calls about grasshoppers injuring seedlings behind a burndown application that was too close to planting. Make sure you put some time between burndown and planting. You need enough time as per the label specifications for the herbicides first and foremost, but you need the vegetation present to be dead and not able to support insects for at least a week or more. That way, the insects will move on to somewhere else before you plant. Otherwise, they will appreciate the new plant hosts you have planted for them. **Jonathan Croft**, county agent in Orangeburg County, brought me a vial full of what I identified as false chinch bug immatures. In hot, dry periods false chinch bugs can get on younger plants and cause additional stress.

Cotton Situation

As of 14 May 2017, the USDA NASS South Carolina Statistical Office estimated that about 52% of the crop has been planted, compared with 34% the previous week, 49% at this time last year, and 45% for the 5-year average.

Cotton Insects

It is primarily thrips as the main problem for insects in cotton again this week, with a few grasshoppers. I will



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keep the link to the Thrips Infestation Predictor (TIP) tool in the newsletter one more time this week. But after that, thrips will be much less of a problem for any cotton planted after this week.

Here is the link to the TIP for cotton: <http://climate.ncsu.edu/cottonthripsrisk/>

To use the TIP tool for cotton, select your field location on the map (zoom in and mark the field with a pin, and the coordinates will be displayed), enter your planned planting date, and hit 'Submit' to see the results. You will get a

Thrips Infestation Predictor for Cotton



series of charts. The first chart will show you risk comparisons for the current year and the previous 5 years. This gives a relative comparison across recent years, so you can use your memory and experiences from recent years to see how this year will likely look. The second chart shows how planting date for your field will impact risk for thrips injury. 'Red' represents elevated risk on that planting date, and 'green' represents reduced risk for that planting date. Any cotton planting from here on this season should be relatively safe from thrips. Consider using planting date in the future to mitigate issues with thrips.

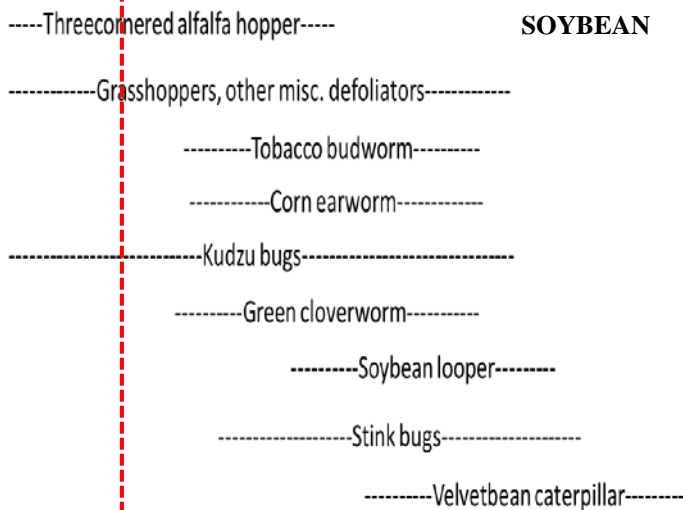
Soybean Situation

As of 14 May 2017, the USDA NASS South Carolina Statistical Office estimated that about 28% of our soybean crop has been planted, compared with 12% the previous week, 10% at this time last year, and 23% for the 5-year average. About 4% of the crop has emerged, compared with 0% at this time last year and 10% for the 5-year average. These are observed/perceived state-wide averages.

Soybean Insects

Again this week, we are still very early into planting for soybeans, so there are few issues with insects at this point. We still have some grasshopper issues in spots, so watch out for those.

April May June July August September October

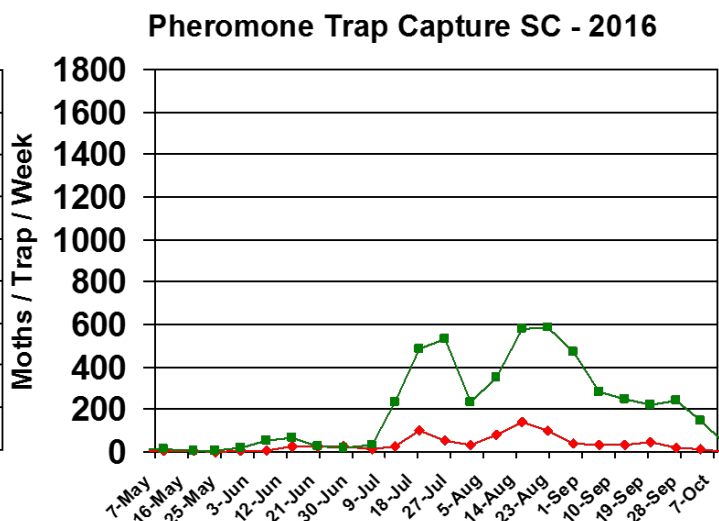
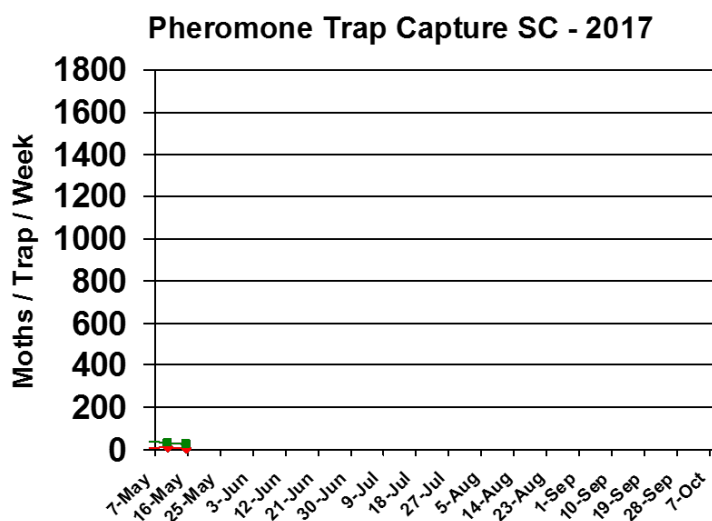




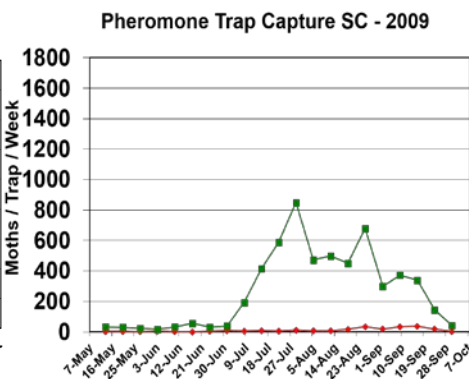
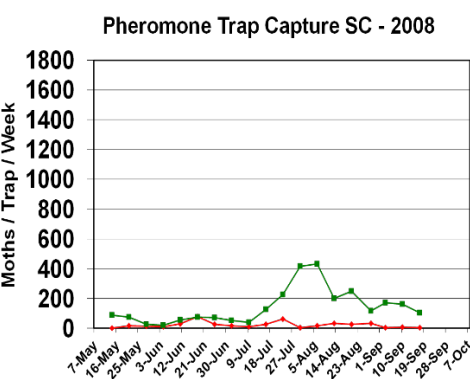
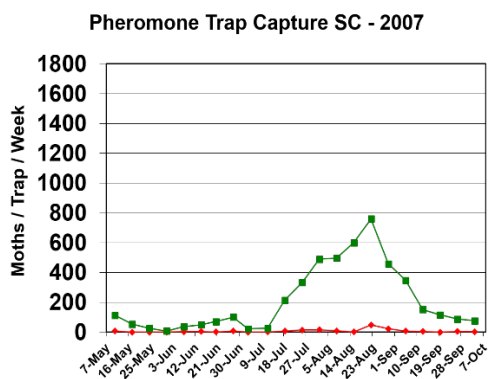
Bollworm & Tobacco Budworm



Captures of bollworm (BW) and tobacco budworm (TBW) moths in pheromone traps at EREC this season are shown below, as are the captures from 2016 for reference. Tobacco budworm continues to be important for our soybean acres and for any acres of non-Bt cotton. I provide these data as a measure of moth presence and activity in our local area near my research plots. The numbers are not necessarily representative of the species throughout the state.



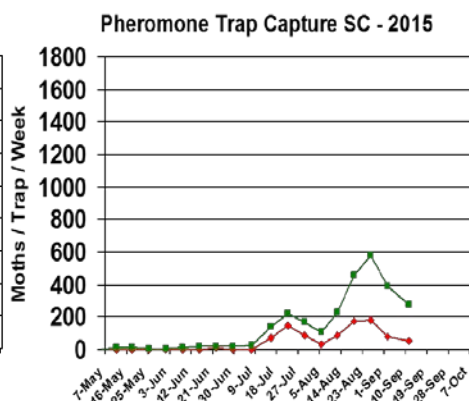
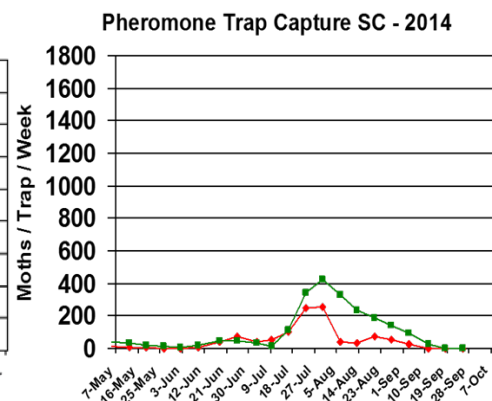
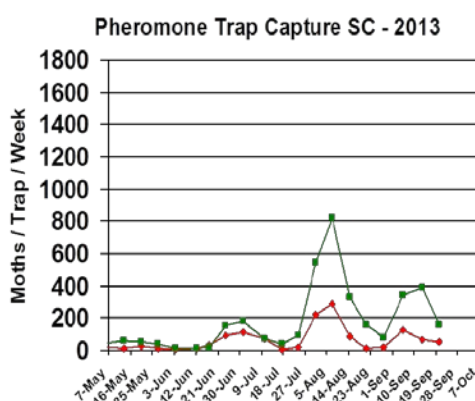
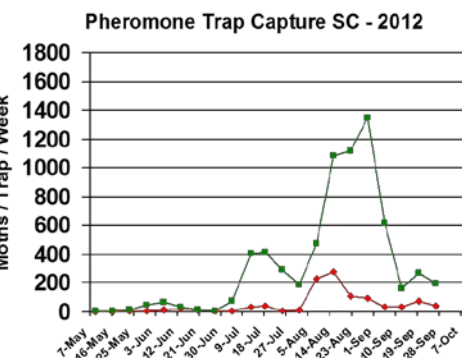
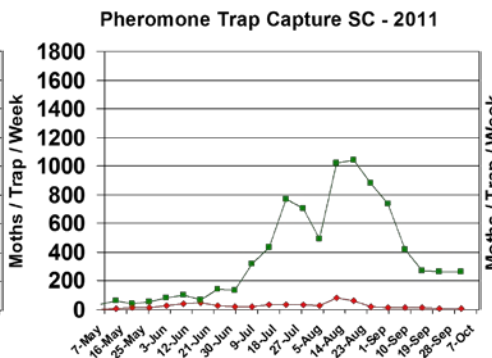
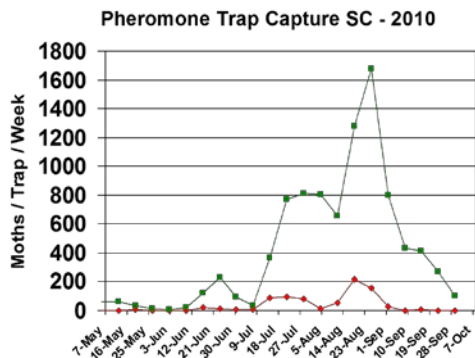
Trap data from 2007-2015 are shown below for reference to other years of trapping data from EREC:



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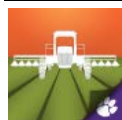
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Pest Management Handbook – 2017

Insect control recommendations are available online in the 2017 South Carolina Pest Management Handbook at: <http://www.clemson.edu/extension/agronomy/pest%20management%20handbook.html>

Free Mobile Apps: “Calibrate My Sprayer” and “Mix My Sprayer”



Download our free mobile apps called “Calibrate My Sprayer” and “Mix My Sprayer” that help check for proper calibration of spraying equipment and help you with mixing user-defined pesticides, respectively, in custom units (available in both iOS and Android formats):

<http://www.clemson.edu/extension/mobile-apps/>

Need More Information?

For more Clemson University Extension information: <http://www.clemson.edu/extension/>

For historical cotton/soybean insect newsletters:

<http://www.clemson.edu/extension/agronomy/cotton1/newsletters.html>

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Sincerely,

Jeremy K. Greene, Ph.D.
Professor of Entomology



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